

ARM Nauru Research Station

Site Visit 0311N Report

Visit Duration: 10 November to 12 November

Denig District, Republic of Nauru

SITE: Nauru

SV 0311 N (H2 Genset Service)

Team Members:

Troy Culgan, Australian BOM

Dates of Visit

From November 10 - 14, 2003

Priority	System	Date Completed (dd/Month)	Service Time in Hours	Tasks/Description of Work/Process
				For each priority item insert new line(row) for each date/time entry
1	H2GEN			Electrolyser routine maintenance
		12-Nov	15 Hrs	Completed
2	H2GEN			Deliver "gas bleeding" kit and train Observers on its use using new procedure.
		10-Nov	19 Hrs transit	Completed
3	H2GEN			Walk through balloon launching process with Observers and written procedure.
		12-Nov	1 hr	Completed
4	MPL			Install LASER Diode.
		10-Nov	1.5 Hrs	Laser Diode supply Ser No 3332 replaced with unit serial No 3689
5	AERI			Repair Unit
		11-Nov	1Hr	Media converter connection faulty (Re-boot Ethernet to Fiber converter in SDS Rack). Rex verified remote connectivity. Observers trained for future reference.
6	GENSET			Find a way that we can use gravity feed truck to obtain fuel for our site.
		13-Nov	30 min	Reviewed procedure with observers for transfer of fuel from gravity feed truck when it becomes available
7	WSI			Replace corrosion prevention parts in ARC Drive. Replace/clean metal filter inside I-Van and in field unit, change out shutter assembly, and replace desiccant cylinder.
		12-Nov	10 min	Desiccant and filters replaced during SV0309N(cal). Shutter assembly to be changed out just prior to WSI Calibration - therefore not changed this visit. Spares on site:desicant cylinders 3, Corrosion prevention parts: nil
8	AERI			Changeout Computer Filter
		11-Jan	1 Hr	Filter changed
9	MPL			Sunshade repair check
		10-Nov	30 min	Check on repair and relocated control unit to the rack
10	COM			Power outfitter satphone through 24 volt batt pack in E-Van using 24-12 volt DC/DC converter.
		12-Nov	2 Hr	Completed
11	GENSET			Oversee Racor fuel filter changeout in the Fuel Transfer Dolly for tank to tank transfer
		12-Nov	15 min	Viewed observers changeout Racor fuel filter in Fuel Transfer Dolly
12	IRT			Change out gold mirror
		12-Nov	15 min	Changed out gold mirror completed (11 Nov 20:00 UTC)

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13	Other			Remove all equipment from Menen Room 201 and close out with Andrew Kaierua and Hotel Manager.
		13-Nov	1hr	Room cleared and ready for close out
14	Other			Verify diesel shed complete and drums in containment holders.
		11-Nov	10 Min	Shed appears complete,photo sent to Monty Apple
15	Other			Install external mouse AWS Metconsole
		12-Nov	15 min	Completed
15	DAQ-S			Verify skyrad logger serial and WD number inside can
		13-Nov	30 min	Verified by Visual sighting Loggger Ser#030 WD25946 Zeno Ser# 098
16	Van			3-phase monitors: Replace on U-Van/ install on D-Van.
		12-Nov	30 min	Replaced U-Van 3-phase monitor, D-Van already has one
17	TSI			Perform and instruct observers on the new monthly re-boot procedure. Also review cleaning procedure with wax.
		12-Nov	15 min	Completed instruction with Nic, Franklin and Robroy
18	IRT			Compare GNDRAD IRT readings w/ blackbody.
		13-Nov	1hr	Comparison complete report to be sent to Bill Porch
	Future Needs			WSI Volatile Corrosion Inhibitor Cylinder (2 ea) and WSI Volatile Corrosion Inhibitor Rectangle (2 ea). Change out WSI Camera Shutter just before WSI Calibration.
	Shipping			Ship old MPL Shutter Assembly components (except for tube), back to SGP (via Interconex).
	MMCR	13-Nov	2hr	Reseated control boards for TWTA as it failed to power up